

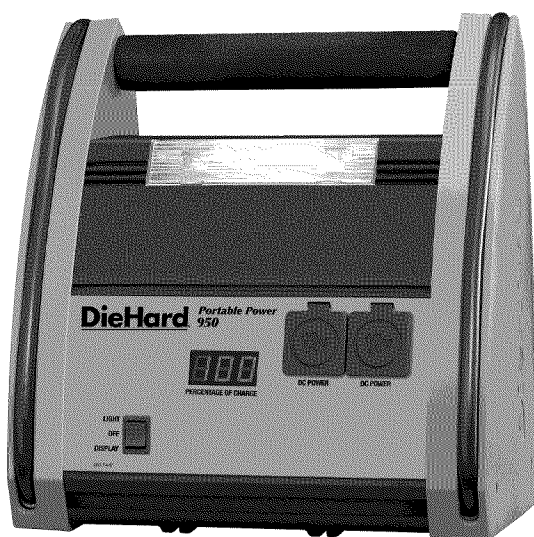
# OWNER'S MANUAL

# DieHard®

## Portable Power 950

### Jump Starter and DC Power Source

Model No.  
200.71487



### CAUTION:

Read all Safety Rules and Operating Instructions,  
and follow them with each use of this product.

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Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.

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00-99-000524/1205

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### **Please read this Owner's Manual before using your Portable Power 950.**

For information about troubleshooting, call toll-free from anywhere in the U.S.A. 7 am to 4:30 pm Central Time Monday through Friday. **1-800-SEARS-64 (1-800-732-7764).**

## WARRANTY

### **One-Year Full Warranty on DieHard Portable Power 950 (excluding bulbs)**

If this Portable Power 950 fails due to a defect in material or workmanship within one year from the date of purchase, RETURN IT TO ANY SEARS STORE or OTHER DIE-HARD OUTLET IN THE UNITED STATES FOR FREE REPLACEMENT.

This warranty does not include the light bulbs, which are expendable parts.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears, Roebuck and Co., Dept. 817WA, Hoffman Estates, IL 60179

## IMPORTANT SAFETY INSTRUCTIONS

### SAVE THESE INSTRUCTIONS

**CHARGE THE 950 BEFORE THE FIRST USE AND AFTER EVERY USE THEREAFTER.**

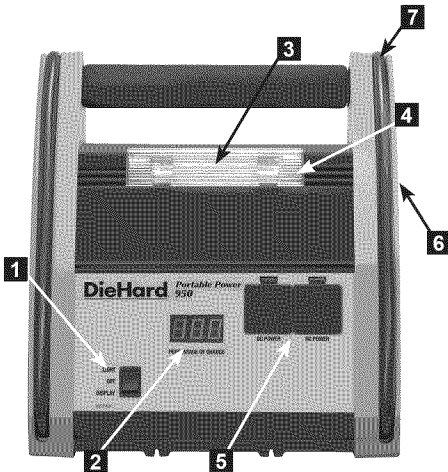
**USE IN A WELL-VENTILATED SPACE.**

**CONTAINS SEALED NON-SPILLABLE LEAD-ACID BATTERY.  
MUST BE DISPOSED OF PROPERLY.**

**WARNING:** POSSIBLE EXPLOSION HAZARD, CONTACT WITH BATTERY ACID MAY CAUSE SEVERE BURNS AND BLINDNESS. KEEP OUT OF REACH OF CHILDREN.

**WARNING:** Handling the cord on this product or cords associated with accessories sold with this product, may expose you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. *Wash hands after handling.*

### DIEHARD PORTABLE POWER 950 JUMP-STARTER/DC POWER SOURCE



1. Light/Display switch. This switch turns on the light or the internal battery status digital display.
2. Internal Battery Status Digital Display (%)
3. Plastic lens cover
4. Two, Light bulbs
5. Two, 12V DC power outlets
6. Rear charger plug (not shown)
7. Cables with clamps on back (not shown)

## OPERATING INSTRUCTIONS

**WARNING:** Failure to follow instructions may cause damage or an explosion. Read entire instruction manual before use. Always shield eyes during use and wear safety glasses.

### JUMP-STARTING A VEHICLE ENGINE

Use in well-ventilated area. Keep hands, hair, clothing and jewelry clear of fan blades, belts, pulleys and other parts that may cause injury.

1. Turn ignition off before making cable connections.
2. Rest the 950 on a flat, stable surface near the vehicle battery and away from moving engine parts.
3. Connect the red clamp to the positive terminal of the vehicle battery.
4. Connect the black clamp to an unpainted and unmoving part of the vehicle chassis or engine block.

**CAUTION:** If you have connected the clamps backwards, an audio alarm will sound. Reverse the connections and the audible alarm will stop.

**NOTE:** If after following steps 1-4 the display remains blank, check for a good connection on both jaws of the clamps. If the display still doesn't light, hold down the display switch for 5 seconds. If the display doesn't blink, the external battery voltage is too low to be detected by the 950.

5. Digital Display: The charge percentage of the vehicle's battery will be displayed for 5 seconds. The display will blink to indicate proper connection and will then show the charge percentage of both batteries combined (950 and vehicle)
6. Turn the key and crank the engine. The display will count down from 10 seconds. If the engine does not start, wait at least 1 minute before attempting to crank the vehicle again. This permits the battery and relay to

cool down. Only attempt to crank the engine when the display is blinking (relay is engaged).

7. Due to a unique safety feature, the clamp power is automatically shut off 10 seconds after the engine starts. This eliminates the problem of sparking when removing the clamps. Remove and store the clamps on the ears located on the back of the case.
8. Charge the 950 as soon as possible after jump-starting.

**CAUTION:** To prevent sparking, NEVER allow the clamps to touch together or to contact the same piece of metal. And, never attempt to charge a frozen battery.

**NOTE:** In the rare case of jump-starting a vehicle that has a positive-grounded vehicle electrical system, connect the black clamp to the negative terminal of the vehicle battery. Then connect the red clamp to an unpainted and unmoving part of the vehicle chassis or engine block. If you are unsure of the nature of the vehicle's electrical grounding system, check the owner's manual of the vehicle or call the Customer Technical Assistance number: 1-800-SEARS-64.

### POWERING A 12V DC DEVICE

The Portable Power 950 is a power source for all 12 volt DC accessories that are equipped with a 12V accessory plug. The DC accessory outlet has a 15-amp automatic overload protection circuit breaker. The breaker will automatically reset after an overload occurs.

To operate a 12V DC device:

1. Open the protective cover of the DC power outlet on the front panel of the Portable Power 950.
2. Plug the 12V DC device into the DC power outlet, and turn on the 12V DC device (if required).

3. If the 12V DC device draws more than 15A, the internal circuit breaker of the Portable Power 950 will momentarily disconnect power to the device. If this occurs, unplug the device and the circuit breaker will automatically reset after several seconds.
4. Charge the Portable Power 950 as soon as possible after each use.  
Because the DC power outlet is internally wired directly to the internal battery, extended operation of a 12V DC device may result in excessive battery drain.

## **12V DC ELECTRICAL DEVICE EXAMPLE RUN-TIME CHART**

| <u>Appliance Type</u>               | <u>Estimated Wattage</u> | <u>Estimated Time*</u> |
|-------------------------------------|--------------------------|------------------------|
| Fluorescent Lights, Cellular Phones | 4 Watts                  | 40 Hours               |
| Radios, Depth Finders, Fans         | 9 Watts                  | 21 Hours               |
| Camcorders, DVD Players, Spotlights | 15 Watts                 | 12 Hours               |
| Electrical Tools, Bilge Pumps       | 24 Watts                 | 7 Hours                |
| Electric Coolers                    | 48 Watts                 | 3 Hours                |
| Air Compressors, Car Vacuums        | 80 Watts                 | 1.5 Hours              |

**\*NOTE:** Estimated run-times. Actual time may vary. Times are based on the internal battery being fully charged.

### **USING THE BUILT-IN LIGHT**

1. Position the 950 on a flat, stable surface near the intended work area.
2. Turn the Light/Display switch to the LIGHT position. The light will turn on and illuminate your work area.

**NOTE:** With a fully charged internal battery, the built-in light should provide 18 to 26 hours of continuous useful light, depending on ambient conditions.

3. Turn the Light/Display switch to the OFF position when work is completed.
4. Charge the 950 as soon as possible after using the built-in light.

### **DIGITAL DISPLAY FUNCTIONS**

1. Portable Power 950 – To check the internal battery's status, press the display switch on the front of the 950. The display will show the charge percentage of the internal battery.
2. Vehicle – For the first 5 seconds, the display shows the vehicle's battery power level in a percentage.

3. Vehicle and Portable Power 950 – After 5 seconds, the display blinks and switches to show the combined total starting power of the vehicle and 950 batteries.

You have 10 seconds to attempt to start your vehicle from the time you turn your key. You can crank as many times as necessary during these 10 seconds. After that time, the clamps will shut off and there will be no power available for one minute. The display will first show a 10-second countdown, then a 60-second countdown. This cycle will repeat itself until there is no power left in the Portable Power battery. See Page 4 for further starting details.

### **CHARGING INTERNAL BATTERY**

This Portable Power 950 comes with a sealed, non-spillable DieHard maintenance-free lead-acid battery. This internal battery is specifically designed to deliver high power jump-starting as well as repetitive deep cycling performance.

To charge the Portable Power 950 internal battery:

1. Check the internal battery's charge level by pressing the switch marked **DISPLAY**. The Digital Display will show the battery's percentage.

**NOTE:** Internal battery's status Display is most accurate when the Portable Power 950 has been disconnected from all devices and charging sources for at least 30 minutes.

2. Using a proper extension cord, connect the cord to the charge plug and then plug the cord into a properly wired and live 110Vac/60Hz wall outlet.

**CAUTION:** Operating the Portable Power 950 while the internal battery is being charged may cause permanent damage to the unit.

3. While the Portable Power 950 is charging, the battery's percentage of charge will be displayed. When the internal battery is fully charged

the display will show 100. Complete charging may take up to 72 hours. The Portable Power 950 is then ready to use.

4. Once the battery is fully charged, the built-in charger automatically switches to float-mode monitoring, which trickle charges the battery and keeps it fully charged without over-charging so the Portable Power 950 may be left permanently connected to the wall outlet.

The internal battery may also be charged while you drive using the male-to-male accessory cable (available separately, see "Accessories and Replacement Parts" section of this manual). Insert one end of the accessory cable into the 12V DC power outlet and the other end into the vehicle's accessory outlet (lighter socket). Completely disconnect the accessory cable when the engine is not running.

## STORAGE AND MAINTENANCE

### STORAGE AND INTERNAL BATTERY SELF-DISCHARGE

Charge the 950 internal battery before first use and after every use thereafter.

The internal battery will gradually self-discharge (lose power) over time, especially in warm environments. Leaving the battery in a discharged state may result in permanent battery damage. To ensure satisfactory performance and avoid permanent damage, charge the internal battery every 2 to 3 months. The Portable Power 950 may be left permanently connected to the AC wall outlet. Store in a cool dry place.

### REPLACING THE BUILT-IN LIGHT

To replace the built-in light bulb:

1. Turn the light off.
2. Pop out the protective plastic lens cover.
3. Gently grasp the bulb and twist counter-clockwise one quarter-turn to unscrew the bulb.
4. Insert a replacement bulb of the same type and rating, and twist clockwise one quarter-turn to screw in the new bulb.
5. Replace the lens cover.
6. Test the light by switching the light on and off.

### CUSTOMER TECHNICAL ASSISTANCE

Customer technical assistance is available Monday-Friday, 7 am to 4:30 pm Central Time by phoning 1-800-SEARS-64.

| SPECIFICATIONS                         |                                          |
|----------------------------------------|------------------------------------------|
| Internal Battery Type                  | DieHard Maintenance-free AGM Lead-acid   |
| Nominal Voltage                        | 12v DC                                   |
| Capacity                               | 18 Ah                                    |
| DC Power Outlet (Max. Continuous Load) | 15A With Automatic Circuit Breaker Reset |
| Built-in Light Bulb (Replaceable)      | 5w/12v DC (Base type BA9S)               |
| Jumper Cables                          | 4-gauge AWG, 24 Inches                   |
| Dimensions (H X W X D)                 | 12 H X 11 X 10.5 Inches                  |
| Product Weight                         | 18.9 Lbs.                                |

ACCESSORIES AND REPLACEMENT PARTS

Parts and customer technical assistance is available Monday-Friday, 7 am to 4:30 pm Central Time at 1-800-SEARS-64.

**Male-to-Male Cable**

38-99-000834

(Use for charging Portable Power 950 from a vehicle's 12V accessory outlet. See page 6.)

**Replacement Light Bulb**

00-00-000722

**Lens Cover**

37-99-00382-0



**CONTAINS SEALED NON-SPILLABLE LEAD-ACID BATTERY.  
MUST BE DISPOSED OF PROPERLY.**

**WARNING: Possible explosion hazard. Contact with battery  
acid may cause severe burns and blindness. Keep out of  
reach of children.**